



2123
PATENT
Conf. No. 8118

IN THE UNITED STATES PATENT OFFICE

Applicant: Neil G. Jacobson
Assignee: Xilinx, Inc.
Title: "Network Based Diagnostic System and Method for Programmable Hardware"
Serial No.: 09/823,154 File Date: 03/29/2001
Examiner: Dwin M. Craig Art Unit: 2123
Docket No.: X-777 US Conf. No.: 8118

Mail Stop AMENDMENT
COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450

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RESPONSE TO THE FIRST OFFICE ACTION

Dear Sir:

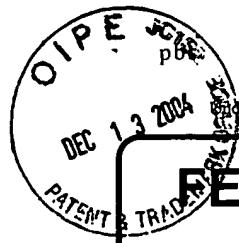
In response to the first Office Action mailed from the Patent Office on September 28, 2004, please reconsider allowance of the claims in view of the Amendments and Remarks below.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks begin on page 9 of this paper.

12/15/2004 SMINASS1 0000003 240040 09823154

01 FC:1202 72.00 DA
02 FC:1201 176.00 DA



PTO/SB/17 (10-02)
Approved for use through 10-31-2002. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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Fee Transmittal for FY 2003

Patent fees are subject to annual revision

TOTAL AMOUNT OF PAYMENT (\$ 248.00)

Complete if Known	
Application / Conf. No.	09/823,154 / 8118
Filing Date	March 29, 2001
First Named Inventor	Neil G. Jacobson
Examiner Name	Dwin M. Craig
Art Unit	2123
Attorney Docket No.	X-777 US

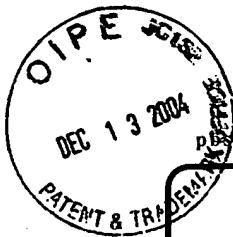
METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)	
<input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees <input checked="" type="checkbox"/> Deposit Account		3. ADDITIONAL FEES Large Entity Fee Fee Paid Code (\$) Fee Description Fee Paid 1051 130 Surcharge - late filing fee or oath 1052 50 Surcharge - late provisional filing fee or cover sheet. 1812 2,520 For filing a request for ex parte reexamination 1804 920* Requesting publication of SIR prior to Examiner action 1805 1,840* Requesting publication of SIR after Examiner action 1251 110 Extension for reply within first month 1252 430 Extension for reply within second month 1253 950 Extension for reply within third month 1254 1,530 Extension for reply within fourth month 1255 2,080 Extension for reply within fifth month 1401 340 Notice of Appeal 1402 340 Filing a brief in support of an appeal 1403 300 Request for oral hearing 1451 1,510 Petition to institute a public use proceeding 1452 110 Petition to revive - unavoidable 1453 1,370 Petition to revive - unintentional 1501 1,370 Utility issue fee (or reissue) 1460 130 Petitions to the Commissioner 1807 50 Petitions related to provisional applications 1806 180 Submission of Information Disclosure Stmt 8021 40 Recording each patent assignment per property (times number of properties) 1809 790 Filing a submission after final rejection (37 CFR 1.129(a)) 1810 790 For each additional invention to be examined (37 CFR 1.129(b)) 1801 790 Request for Continued Examination (RCE)	
FEE CALCULATION 1. BASIC FILING FEE Large Entity Fee Fee Description Fee Paid Paid Code (\$)		1001 770 Utility filing fee 1002 330 Design filing fee 1003 510 Plant filing fee 1004 790 Reissue filing fee 105 160 Provisional filing fee	
SUBTOTAL (1)		(\$)	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Total Claims 32 -20** = 12 Extra Fee from below Fee Paid Indep. Claims 05 - 3** = 2 X 18 = \$72 Multiple Dependent Claims 2 X 88 = \$176		**or number previously paid, if greater; For Reissues, see below Large Entity Fee Fee Description Paid Paid Code (\$)	
1202 18 Claims in excess of 20 1201 86 Independent claims in excess of 3 1203 290 Multiple dependent claim, if not paid 1204 86 **Reissue independent claims over original patent 1205 18 **Reissue claims in excess of 20 and over original patent		1809 790 Filing a submission after final rejection (37 CFR 1.129(a)) 1810 790 For each additional invention to be examined (37 CFR 1.129(b)) 1801 790 Request for Continued Examination (RCE)	
SUBTOTAL (2)		(\$ 248.00)	
*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)			

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Lois D. Cartier	Registration No. (Attorney/Agent)	40,941	Telephone	720-652-3733
Signature				Date	12-07-2004

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Modified 02-03

Approved for use through 9/30/00, OMB 0651-0031
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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

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Application / Conf. No.	09/823,154 / 8118
Filing Date	March 29, 2001
First Named Inventor	Neil G. Jacobson
Examiner Name	Dwin M. Craig
Art Unit	2123
Patent No.	
Attorney Docket Number	X-777 US

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (with Recordation Cover Sheet)	<input type="checkbox"/> After Allowance Communication to
<input checked="" type="checkbox"/> Amendment / Reply <ul style="list-style-type: none"> <input type="checkbox"/> Preliminary Amendment <input type="checkbox"/> After Final <input type="checkbox"/> Affidavit(s)/declaration(s) 	<input type="checkbox"/> Declaration / Oath	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Change Status to LARGE ENTITY	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Petition -	<input checked="" type="checkbox"/> Return Receipt Postcard
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> To Convert a Provisional Application	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Substitute PTO-1449(s) IDS by Applicant (PTO/SB/08A)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Terminal Disclaimer	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

Remarks

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Customer Number	24309 (Customer Number)	Reg. Number 40,941
Attn:	Lois D. Cartier	
Signature		
Date	December 7, 2004	Charge any additional fees required/credit any overpayment to our Deposit Account Number: 24-0040

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on this date December 7, 2004

Typed or Printed Name	Pat Slaback	
Signature		Date December 7, 2004

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